

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A vascular occlusive device comprising:

a support member;

a bioactive agent disposed on said support member; and,

an outer barrier disposed on said bioactive agent to prevent exposure of said bioactive agent to bodily fluid when said vascular occlusive device is inserted into a blood vessel, said outer barrier exhibiting the characteristic of being substantially inert to bodily fluid but dissolving when exposed to an external agent.

Claim 2 (original): A vascular occlusive device as defined in Claim 1, wherein the support member is a vascular occlusive embolic coil.

Claim 3 (original): A vascular occlusive device as defined in Claim 2, wherein the support member takes the form of a helically wound metallic coil.

Claim 4 (original): A vascular occlusive device as defined in Claim 1, wherein the bioactive agent takes the form of a coating applied to the support member.

Claim 5 (original): A vascular occlusive device as defined in Claim 1, wherein the bioactive agent is integral with the support member.

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Claim 6 (original): A vascular occlusive device as defined in Claim 1, wherein the outer barrier takes the form of a coating applied to the bioactive agent.

Claim 7 (original): A vascular occlusive device as defined in Claim 2, wherein the outer barrier coating takes the form of a coating applied to the bioactive agent.

Claim 8 (original): A vascular occlusive device as defined in Claim 1, wherein said bioactive agent is comprised of polyglycolic acid and said outer barrier coating is comprised of ethylene vinyl alcohol.

Claim 9 (original): A vascular occlusive device as defined in Claim 8, wherein said external agent is comprised of dimethyl sulfoxide.

Claim 10 (original): A vascular occlusive device as defined in Claim 1, wherein said bioactive agent takes the form of a thrombus inducing coating.

Claim 11 (original): A vascular occlusive device as defined in Claim 2, wherein said bioactive agent takes the form of a thrombus inducing coating.

Claim 12 (original): A vascular occlusive device as defined in Claim 1, wherein said bioactive agent takes the form of a coating which induces the clotting of blood.

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Claim 13 (original): A vascular occlusive device as defined in Claim 2, wherein said bioactive agent takes the form of a coating which induces the clotting of blood.

Claim 14 (original): A vascular occlusive device comprising:

a support member;

a bioactive agent disposed on said support member; and,

an outer barrier coating disposed on said bioactive agent to prevent exposure of said bioactive agent to bodily fluid when said vascular occlusive device is inserted into a blood vessel, said outer barrier coating exhibiting the characteristic of being non-water soluble but dissolving when an external activating agent is applied to said outer barrier coating.

Claim 15 (original): A vascular occlusive device as defined in Claim 14, wherein the support member is a vascular occlusive embolic coil.

Claim 16 (original): A vascular occlusive device as defined in Claim 14, wherein the bioactive agent takes the form of a coating applied to the support member.

Claim 17 (original): A vascular occlusive device as defined in Claim 14, wherein the bioactive agent is integral with the support member.

Claim 18 (original): A vascular occlusive device as defined in Claim 14, wherein said bioactive agent takes the form of a thrombus inducing coating.

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Claim 19 (original): A vascular occlusive device comprising:

- a support member;
- a bioactive agent disposed on said support member; and,
- an outer barrier disposed on said bioactive agent to prevent contact between said bioactive agent and bodily fluid when said vascular occlusive device is inserted into a blood vessel, said outer barrier exhibiting the characteristic of being substantially inert to blood but dissolving and exposing a portion of said bioactive agent when in the presence of a biological agent.

Claim 20 (original): A vascular occlusive device as defined in Claim 19, wherein the support member is a vascular occlusive embolic coil.

Claim 21 (currently amended): A vascular occlusive device comprising:

- a support member;
- a bioactive agent disposed on said support member; and,
- an outer barrier comprising an activatable agent, said outer barrier covering said bioactive agent and exhibiting the characteristics of substantially preventing a reaction between the bioactive agent and bodily fluid when said vascular occlusive device is inserted into a blood vessel and permitting a reaction between the bioactive agent and bodily fluid upon activation by an external fluid source.

Claim 22 (original): A vascular occlusive device as defined in Claim 21, wherein the support member is a vascular occlusive embolic coil.

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Claim 23 (currently amended): A vascular occlusive device comprising:

a bioactive support member which when placed within the body causes a reaction with bodily tissue; and,

a barrier for preventing a reaction between the bioactive support member and bodily tissue when said vascular occlusive device is inserted into a blood vessel, said barrier exhibiting the characteristic of being non-water soluble but exposing the bioactive support member to bodily tissue when ~~[[an]]~~ a non-electrical activating agent is applied to said barrier.

Claim 24 (currently amended): A vascular occlusive device comprising:

a support member which when placed within the body causes a reaction with bodily tissue; and,

a barrier for preventing a reaction between the support member and bodily fluid when said vascular occlusive device is inserted into a blood vessel, said barrier exhibiting the characteristic of exposing a portion of said support member when in the presence of an external fluid agent.

Claim 25 (original): A vascular occlusive device as defined in Claim 24, wherein the support member is a vascular occlusive embolic coil.

Claim 26 (original): A method of treating an aneurysm comprising the steps of:

providing a vascular occlusive device comprising a support member, a bioactive agent disposed on said support member, and a barrier exhibiting the characteristic of normally

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preventing a reaction between the bioactive agent and a bodily fluid and of exposing a portion of said bioactive agent when an external agent is applied to said barrier;

inserting a delivery catheter into a blood vessel;

advancing the distal tip of the delivery catheter through the blood vessel until the distal tip is adjacent an aneurysm within the blood vessel;

delivering said vascular occlusive device with the delivery catheter into an aneurysm;

and,

applying said external agent through the catheter and into the aneurysm to thereby activate said barrier to expose said bioactive agent to bodily tissue to thereby cause a reaction between the bioactive agent and the bodily tissue.

Claim 27 (original): A method of treating an aneurysm comprising the steps of:

providing a vascular occlusive device comprising a support member having a bioactive surface which reacts with bodily tissue and having a barrier which exhibits the characteristic of normally inhibiting a reaction between said bioactive surface of said vascular occlusive device and bodily tissue;

inserting a delivery catheter into a blood vessel;

advancing the distal tip of the delivery catheter through the blood vessel until the distal tip is adjacent an aneurysm within the blood vessel;

delivering said vascular occlusive device with the delivery catheter into an aneurysm;

and,

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applying an external agent through the catheter and into the aneurysm to thereby activate said barrier and thus expose said bioactive surface to bodily tissue to thereby cause a reaction between the bioactive surface and the bodily tissue.